DESCRIPTION

Corelite's Navigator II suspended direct-indirect fluorescent luminaire features a rugged aluminum construction, elegant styling, cross blade louver and optional adjustable uplight and downlight optics for evolving interior spaces. Our Slide-N-Lock" optics accessory allows the designer to adjust the amount of uplight and downlight for a particular application. The Navigator II may be mounted individually or continuously with 4', 8' and 12' modular sections. Luminaires align with T-Grid and interface with all ceiling types. The Navigator II is suited for open offices, private offices, conference rooms, trading floors, reception areas and educational facilities.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

A ... Construction
Housing is 6063 T5 aluminum extrusion forming a 9" x 2-7/8" rounded profile. Standard 4'-0", 8'-0" and 12'-0" fixture lengths combine for continuous runs.

B ... End Caps
Standard end caps are precision die-cast aluminum, mechanically attached without exposed fasteners.

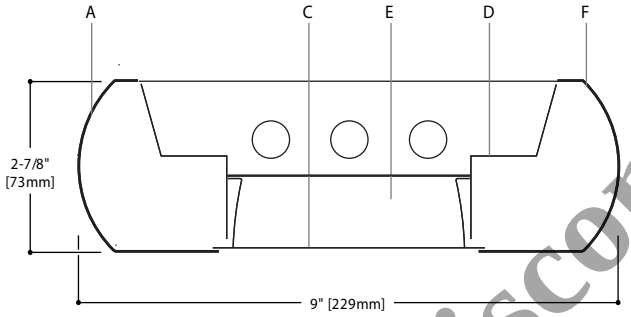
C ... Louver
A continuous semi-specular aluminum parabolic 1-1/8" blades spaced 2-3/8" on-center with a 3-1/2" opening.

D ... Reflectors
Reflector pan is painted with a high reflectance white powder coat finish. Optional die-formed side reflectors are highly specular anodized aluminum.

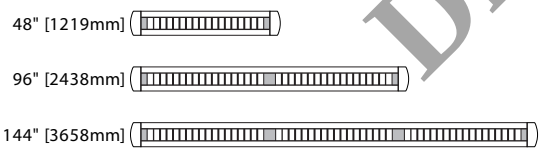
E ... Electrical
T5/T5HO fixtures are pre-wired with quick wire connectors and use UL listed Class P, T5/T5HO program rapid start universal voltage electronic ballasts, power factor of 97% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

F ... Finish
Fixture housings are standard white using electrostatically applied polyester powder coat paint.

Mounting
Standard aircraft cable mounts on 4'-0", 8'-0" and 12'-0" centers. Refer to installation section for various ceiling interface details and rigid pendant mounting details.



MODULES AND DIMENSIONS*



*Dimensions do not include end caps.

End Cap Side View

Cross Blade Louver

Navigator II

3T5
3T5HO

Suspended
Direct/Indirect

Light Distribution
Indirect - 63.5%
Direct - 36.5%

SLIDE-N-LOCK™

ORDERING INFORMATION

Sample Number: NB-WB-3T5-1C-UNV-AC48-T1-12

Series
NB: Navigator II Suspended

Optics Up
S: Specular
W: White

Optics Down
B: Cross Blade Louver

Number of Lamps
3: 3 Lamps

Lamp Type
N5: T5 Normal Output
T5: T5 High Output

Number of Circuits [1]
1: 1 Circuit
2: 2 Circuits

Wiring [1]
B: Battery Pack
C: Standard Circuit
D: Dimming
E: Emergency
T: Nightlight
Y: Daylight

Voltage [1]
120: 120V
277: 277V
347: 347V
UNV: Universal (120V-277V)

Suspension
A: Aircraft Cable
P: Rigid Pendant

Power Feed [1]
C: Straight Cord
K: Curly Cord
P: Rigid Pendant

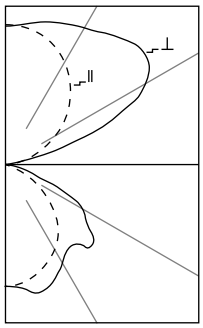
Suspension Length
Adjustable Cable
48", 120", 240", 300", or 360" (infinite adjustment along entire length of cable)
Rigid Pendant [2]
12", 15", 18", 21", 24", or 27"

Ceiling Type
T1: 1" T-Bar
T9: 9/16" T-Bar
TS: Slotted T-Bar
ST: Structure
JB: 4" Octagonal J-Box

Run Length
Individually Mounted
Luminaires may be 4', 8', or 12' in length
Continuously Mounted
Standard row configurations over 12' consist of 8' and 12' sections

Options
Slide-N-Lock™
DL1
DL2
DL3
DL4
DL5
DL6
DL7
DL8
Lamp Isolator Kit
DL/UDU
DL/DUD
DL/UXU
DL/DXD
DL/XDX
DL/XUX

Notes: 1 Not all options available. Please consult your Cooper Lighting Solutions Representative for availability.
2 Consult adder section of the price guide for additional standard lengths.



NB-SB-3T5
(3) FP54/841/HO
4500 Lumens

Efficiency 91.7%

Test Report
#LSI17884

Coefficients of Utilization

	Effective floor cavity reflectance																			
rc	80%				70%				50%			30%			10%			0%		
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	95	95	95	95	86	86	86	86	70	70	70	54	54	54	40	40	40	33		
1	88	84	81	78	79	76	74	71	62	60	58	49	47	46	36	36	35	30		
2	80	74	69	64	73	67	63	59	55	52	49	43	41	40	33	32	31	26		
3	73	65	59	54	67	60	54	50	49	45	42	39	36	34	30	28	27	22		
4	67	58	51	46	61	53	47	43	43	39	36	35	32	29	26	25	23	19		
5	62	51	44	39	56	47	41	36	39	34	31	31	28	25	24	22	20	17		
6	56	46	39	34	51	42	36	31	35	30	26	28	24	22	21	19	17	14		
7	52	41	34	29	47	38	31	27	31	26	23	25	21	19	19	17	15	12		
8	48	37	30	25	43	34	28	23	28	23	20	22	19	16	17	15	13	11		
9	44	33	26	22	40	30	24	20	25	20	17	20	17	14	15	13	11	09		
10	41	30	23	19	37	28	22	18	23	18	15	18	15	13	14	12	10	08		

Candela

Angle	Along II	45°	Across ⊥
0	1643	1643	1643
5	1634	1648	1656
15	1542	1718	1801
25	1391	1609	1624
35	1183	1355	1413
45	916	1143	1583
55	550	1063	1302
65	88	419	736
75	21	51	125
85	6	15	24
90	0	0	0
95	49	16	17
105	282	832	615
115	591	1613	1761
125	913	1820	2341
135	1207	1837	2333
145	1459	1882	2172
155	1658	1913	2080
165	1795	1908	1980
175	1868	1877	1883
180	1868	1868	1868

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1355	10.04	10.95
0-40	2199	16.29	17.77
0-60	3997	29.61	32.29
0-90	4518	33.47	36.50
40-90	2319	17.18	18.73
60-90	521	3.86	4.21
90-180	7861	58.23	63.50
0-180	12379	91.70	100.00

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	11765	14682	20324
55	8710	16829	20611
65	1903	9006	15823
75	758	1813	4391
85	719	1583	2510

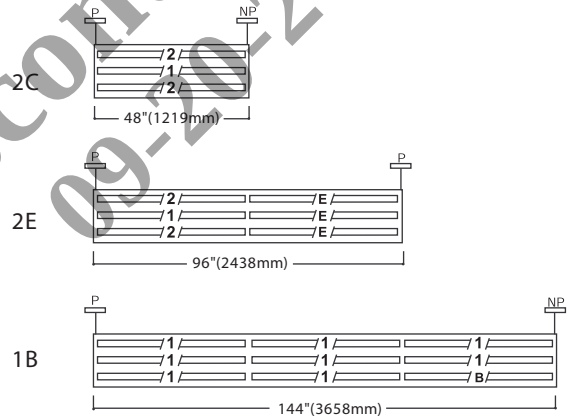
COMMON CIRCUIT CONFIGURATIONS FOR TWO LAMP SUSPENDED FIXTURE

2C=Two circuit luminaire
2E=Two circuit luminaire with emergency circuit
1B=Single circuit luminaire with battery pack

/1/ =Circuit 1
/2/ =Circuit 2
/E/ =Emergency Circuit
/B/ =Battery Circuit

P =Power Mount

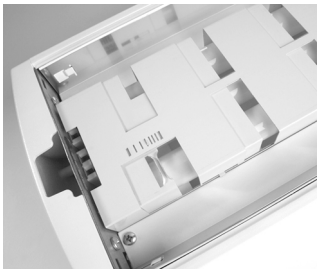
NP =Non-Power Mount

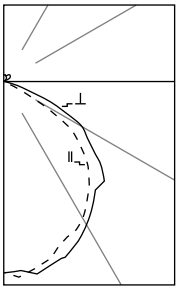


STANDARD ROW CONFIGURATIONS

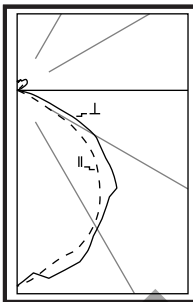
FIXTURE LENGTH	4'	8'	12'	16'	20'	24'	28'	32'	36'	40'	44'	48'	52'	56'	60'	64'	68'	72'	76'	80'	84'	88'	92'	96'	100'	104'	108'
4'	1																										
8'		1		2	1		2	1		2	1		2	1		2	1		2	1		2	1		2	1	
12'			1		1	2	1	2	3	2	3	4	3	4	5	4	5	6	5	6	7	6	7	8	7	8	9

Corelite's latest innovation, Slide-N-Lock™ optics, revolutionizes the concept of variable uplight and downlight percentages within a direct-indirect fluorescent luminaire. Slide-N-Lock™ optics consists of two sliding parts designed to provide combinations of uplight and downlight in approximately 5% increments. The uplight range begins at approximately 5% (fully closed) and ends at approximately 40% (fully open). The optics will be factory set to the specified setting, although it can be field adjusted. To adjust, simply depress the control notch, then "slide-n-lock" the optic into the desired setting. The Slide-N-Lock™ optics simply slides in and out of the top of the Navigator II housing for easy lamp maintenance.
(Patent Pending)

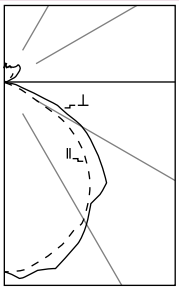




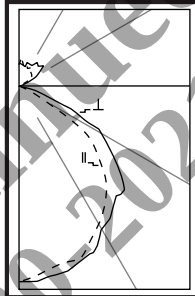
NB-SB-3T5-DL-1
Report # FTL89067
Direct - 94.6%
Indirect - 5.4%
Efficiency 61.0%



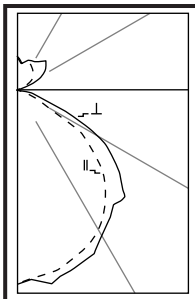
NB-SB-3T5-DL-2
Report # FTL89066
Direct - 90.6%
Indirect - 9.4%
Efficiency 62.5%



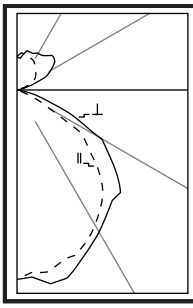
NB-SB-3T5-DL-3
Report # FTL89065
Direct - 86.2%
Indirect - 13.8%
Efficiency 64.0%



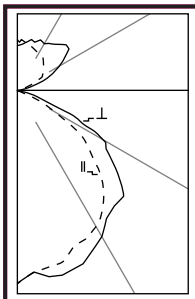
NB-SB-3T5-DL-4
Report # FTL89064
Direct - 82.2%
Indirect - 17.8%
Efficiency 65.5%



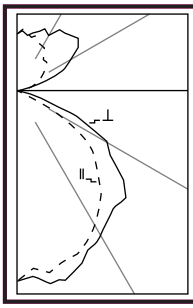
NB-SB-3T5-DL-5
Report # FTL89063
Direct - 78.0%
Indirect - 22.0%
Efficiency 67.1%



NB-SB-3T5-DL-6
Report # FTL89062
Direct - 73.2%
Indirect - 26.8%
Efficiency 69.1%



NB-SB-3T5-DL-7
Report # FTL89061
Direct - 68.0%
Indirect - 32.0%
Efficiency 71.5%



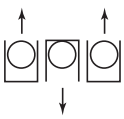
NB-SB-3T5-DL-8
Report # FTL89060
Direct - 64.5%
Indirect - 35.5%
Efficiency 72.5%

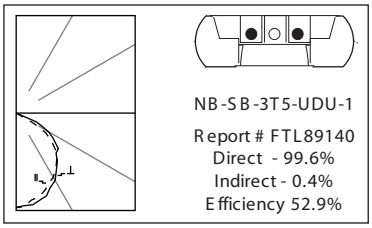
Our lamp isolators give the designer the ability to create three light levels by isolating uplight and downlight combined with dual circuit wiring. During the design process, the direction of each lamp must be specified with a simple designation that indicates whether the lamp is oriented "up", "down" or not at all. The kit consists of one, two or three, formed aluminum removable optical shields per 4' section of luminaire.

D = Lamp Isolated Down
U = Lamp Isolated Up
X = Lamp Not Isolated

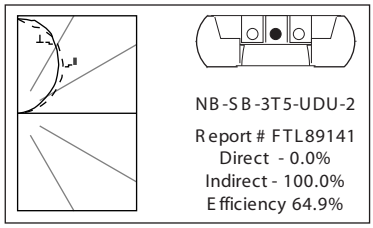
○ = Lamps On
● = Lamps Off

UDU

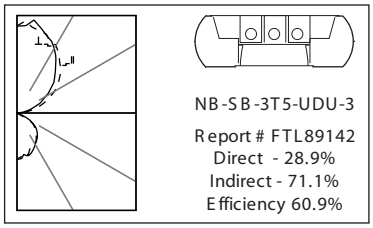




NB-SB-3T5-UDU-1
Report # FTL89140
Direct - 99.6%
Indirect - 0.4%
Efficiency 52.9%

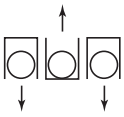


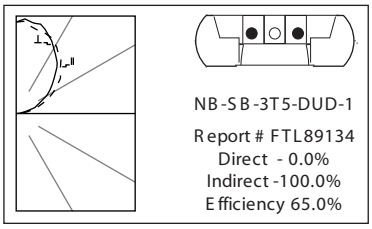
NB-SB-3T5-UDU-2
Report # FTL89141
Direct - 0.0%
Indirect - 100.0%
Efficiency 64.9%



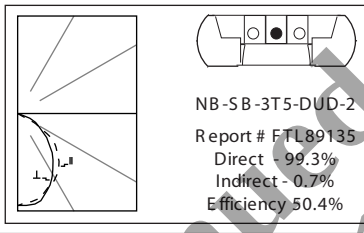
NB-SB-3T5-UDU-3
Report # FTL89142
Direct - 28.9%
Indirect - 71.1%
Efficiency 60.9%

DUD

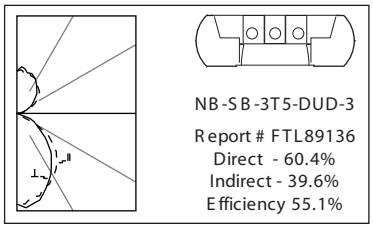




NB-SB-3T5-DUD-1
Report # FTL89134
Direct - 0.0%
Indirect -100.0%
Efficiency 65.0%

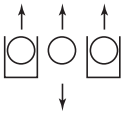


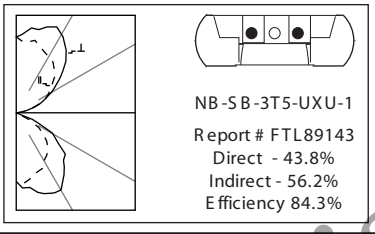
NB-SB-3T5-DUD-2
Report # FTL89135
Direct - 99.3%
Indirect - 0.7%
Efficiency 50.4%



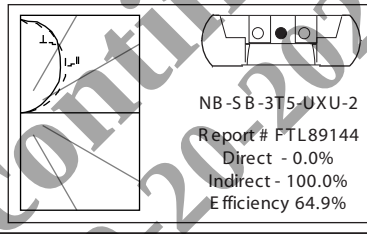
NB-SB-3T5-DUD-3
Report # FTL89136
Direct - 60.4%
Indirect - 39.6%
Efficiency 55.1%

UXU

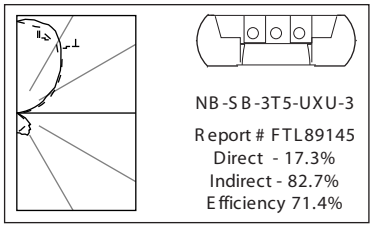




NB-SB-3T5-UXU-1
Report # FTL89143
Direct - 43.8%
Indirect - 56.2%
Efficiency 84.3%

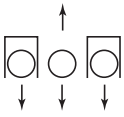


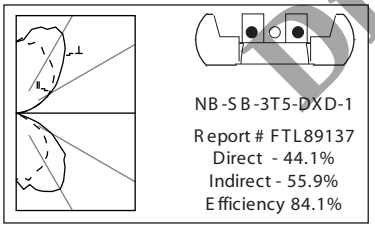
NB-SB-3T5-UXU-2
Report # FTL89144
Direct - 0.0%
Indirect - 100.0%
Efficiency 64.9%



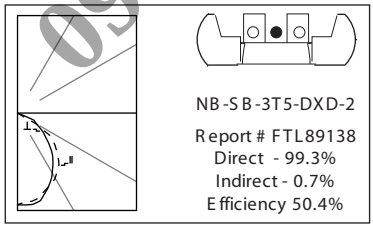
NB-SB-3T5-UXU-3
Report # FTL89145
Direct - 17.3%
Indirect - 82.7%
Efficiency 71.4%

DXD

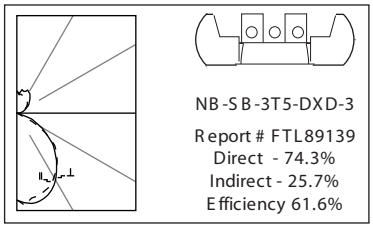




NB-SB-3T5-DXD-1
Report # FTL89137
Direct - 44.1%
Indirect - 55.9%
Efficiency 84.1%

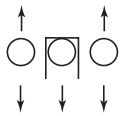


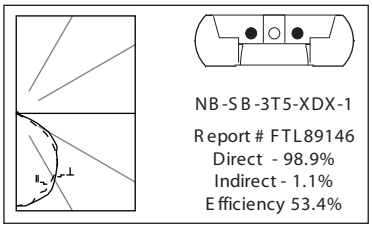
NB-SB-3T5-DXD-2
Report # FTL89138
Direct - 99.3%
Indirect - 0.7%
Efficiency 50.4%



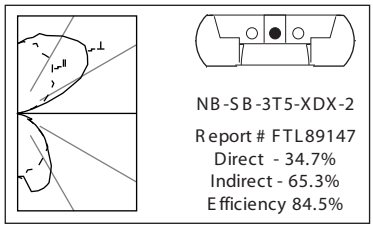
NB-SB-3T5-DXD-3
Report # FTL89139
Direct - 74.3%
Indirect - 25.7%
Efficiency 61.6%

XDX

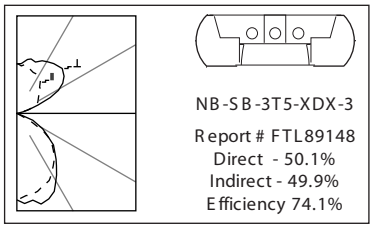




NB-SB-3T5-XDX-1
Report # FTL89146
Direct - 98.9%
Indirect - 1.1%
Efficiency 53.4%

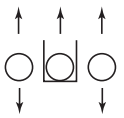


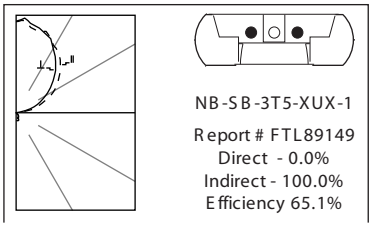
NB-SB-3T5-XDX-2
Report # FTL89147
Direct - 34.7%
Indirect - 65.3%
Efficiency 84.5%



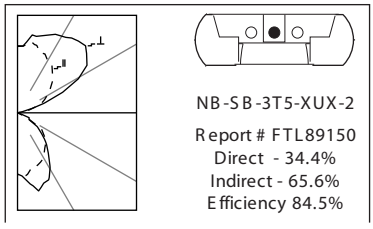
NB-SB-3T5-XDX-3
Report # FTL89148
Direct - 50.1%
Indirect - 49.9%
Efficiency 74.1%

XUX

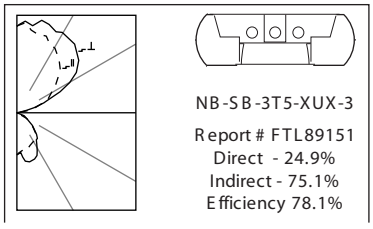




NB-SB-3T5-XUX-1
Report # FTL89149
Direct - 0.0%
Indirect - 100.0%
Efficiency 65.1%



NB-SB-3T5-XUX-2
Report # FTL89150
Direct - 34.4%
Indirect - 65.6%
Efficiency 84.5%



NB-SB-3T5-XUX-3
Report # FTL89151
Direct - 24.9%
Indirect - 75.1%
Efficiency 78.1%